

# **Cancer in the Peoples of the United Stated Associated Islands: A Search of the Pacific Island Health Care Project Database**

**Donald A. Person, M.D.**

**COL, MC, USA**

**Tripler Army Medical Center**

**June 4, 2003**



# Pacific Island Health Care Project (PIHCP)

- Internet Based
- Store and Forward
- Easy to Use
- Low Cost
- Case Statistics / Demographics
- Archival Records (1,775 cases)



# Welcome Donald A. Person to the PIHCP Statistics Report

[Trends](#) | [User Trends](#)

[Location](#) | [Age](#) | [Gender](#) | [Department](#) | [Referrals](#)

## OPTIONS:

[Request A  
Consult](#)

[View  
Cases](#)

[PIHCP Referral  
Form](#)

[Statistics](#)

[Edit  
Profile](#)

[Presentations](#)

[Newsletter](#)

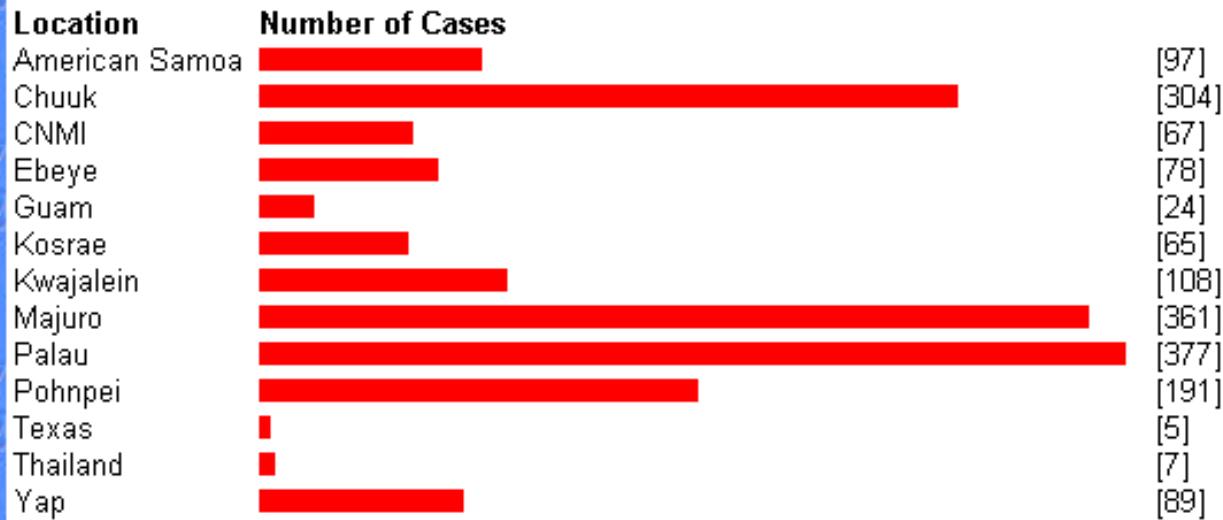
[Administrators](#)

[Home](#)

[Log Off](#)

**There are 1,773 Total Cases**

## Number of Cases by Location



## Number of Cases by Patient Age



# Total Cases By Jurisdiction

American Samoa	97
CNMI	67
FSM	649
Chuuk	304
Kosrae	65
Pohnpei	191
Yap	89
Guam	24
Palau	377
RMI	547
Majuro	361
Kwajalein	108
Ebeye	78
<b>Total</b>	<b>1,761</b>



Welcome Donald A. Person.  
What case would you like to view?

OPTIONS:

Request A Consult

View Cases

PIHCP Referral Form

Statistics

Edit Profile

Presentations

Newsletter

Administrators

Home

Log Off

Pacific Telehealth  
and Technology  
Hui

[View Pediatric Case Options](#)  
[View Pediatric Case report](#)

OK Go to Case ID:

OK Search by Patient Last Name:

OK Search by Diagnosis:

OK View All Open Cases by: Case Number

OK View All Closed Cases by: Case Number

OK View MY Cases By Case Number

OK View Cases Forwarded to Me by Case Number

OK View all NEW cases by: Case Number

OK View Only Cases From: Hawaii   
by Case Number

OK View All Non Web-Based Cases by: Case Number

cancer, carcinoma, leukemia, malignancy, tumor, s

Searching all cases for instances of cancer, carcinoma, leukemia, malignancy, tumor, sarcoma, teratoma, rhabdomyosarcoma, osteosarcoma, myoma, thyroid cancer, papillary cancer, squamous cell, infiltrating, brain tumor, in situ, buccal, mouth cancer, actinic keratosis, and myelodysplasia

# Results of Search for Cancer in the Pacific

Untitled - Microsoft Internet Explorer provided by Pacific Telehealth and Technology

File Edit View Favorites Tools Help Links >

## Search Results

Found 439 out of 1770.

Diagnosis	Age	Gender	Location	Consults	Images
<a href="#">CErvical Ca, stage 11 A</a>	39.7	Female	Majuro	7	0
<a href="#">Right Submandibular Tumor (squamous cell carcinoma, right submandible)</a>	47.5	Male	Palau	8	7
<a href="#">Infiltrating ductal carcinoma, treated</a>	60.9	Female	CNMI	5	0
<a href="#">High Grade Invasive Intraductal Carcinoma, Left Breast</a>	32.0	Female	Yap	5	0
<a href="#">Squamous cell carcinoma</a>	59.7	Female	Chuuk	28	2
<a href="#">Well Differentiated Squamous Cell Carcinoma of Perianal Area</a>	51.0	Male	Palau	6	0
<a href="#">S/P Thyroidectomy due to thyroid cancer</a>	35.0	Male	Chuuk	2	0
<a href="#">Unknown Rash</a>	69.3	Male	Palau	4	3
<a href="#">high grade sarcoma</a>	46.6	Female	Yap	18	0
<a href="#">Actinic Keratosis of the left buccal mucosa</a>	67.0	Female	Palau	6	3
<a href="#">Penile Shaft Cancer</a>	86.1	Male	Palau	8	4
<a href="#">Stage IV Well-Diff. Endometriod Carcinoma of Ovaries</a>	49.6	Female	Pohnpei	5	1
<a href="#">Pelvic Mass</a>	28.3	Female	Majuro	1	3
<a href="#">Tongue Cancer (Squamous Cell Carcinoma)</a>	48.0	Female	Palau	9	2
<a href="#">Spindle cell malignancy--Malignant Mixed Mullerian Tumor</a>	65.2	Female	American Samoa	4	0
<a href="#">squamous cell carcinoma, buccal mucosa</a>	44.9	Female	Yap	1	0
<a href="#">Rectosigmoid Cancer</a>	60.0	Male	Kosrae	6	0

Web Site Search Results

hcp-cancer2.xls

File Insert Format Tools Data Window Help

= Spindle cell malignancy--Malignant Mixed Mullerian Tumor

A	B	C	D	E	F	G	H
cy-Malignant Mixed Mullerian Tumor	65.2	Female	American Samoa	4	0	Total:	27
arcinoma grade II...	66.6	Female	American Samoa	3	0		
arcinoma...	51.7	Female	American Samoa	3	0		
oma of the Endometrium	69.1	Female	American Samoa	7	0		
carcinoma and endometrial endometrioid carcinoma	45.9	Female	American Samoa	2	0		
carcinoma, poorly differentiated	52.5	Female	American Samoa	5	0		
g	53	Female	American Samoa	2	0		
Leukemia	64	Male	American Samoa	1	0		
le myometrium- stage 4	2.2	Male	American Samoa	5	0		
tal left femur	47	Female	American Samoa	7	0		
ronchitis	17.7	Female	American Samoa	7	3		
s malignancy?	1.2	Male	American Samoa	7	0		
ast	39.3	Female	American Samoa	6	3		
Leukemia	47	Female	American Samoa	5	0		
hand.	17.6	Male	American Samoa	8	3		
carcinoma and uterine endometrioid carcinoma	53.7	Male	American Samoa	8	0		
ma	45.1	Female	American Samoa	1	0		
id sarcoma left ear	66	Female	American Samoa	3	0		
osphere of brain	34	Male	American Samoa	3	2		
a, Rule out sepsis; Congenital heart disease possible	62.1	Female	American Samoa	3	9		
a (right parotid)	32.9	Male	American Samoa	14	3		
se	100	Male	American Samoa	4	5		
with Abdominal mass to rule out TB or Lymphoma	45	Male	American Samoa	9	2		
tic Leukemia	15.8	Male	American Samoa	13	0		
ukemia	3.3	Male	American Samoa	12	8		
oma	1.2	Male	American Samoa	3	0		
ue to thyroid cancer	1.2	Male	American Samoa	1	0		
ge IIIB, T4N1M0)	59.7	Female	Chuuk	20	0	Total:	84
phadenitis	35	Male	Chuuk	2	0		
lignancy	47.5	Female	Chuuk	8	0		
oma	19	Female	Chuuk	19	2		
42	Female	Chuuk	23	0			
59	Male	Chuuk	10	2			
6.7	Male	Chuuk	44	1			
49	Female	Chuuk	10	1			
7.7	Female	Chuuk	5	0			
65	Male	Chuuk	13	3			
42	Female	Chuuk	6	0			
41.8	Female	Chuuk	25	2			
0.8	Female	Chuuk	18	0			
65.2	Female	Chuuk	23	1			

Spreadsheet Analysis

# Search Database

Diagnosis	Cases
Carcinoma	150
Tumor	131
Cancer	131
Malignancy	24
Lymphoma	14
Leukemia	12
Sarcoma	4
Brain Tumor	4
<b>Total</b>	<b>470</b>

# Cancer Cases by Jurisdiction

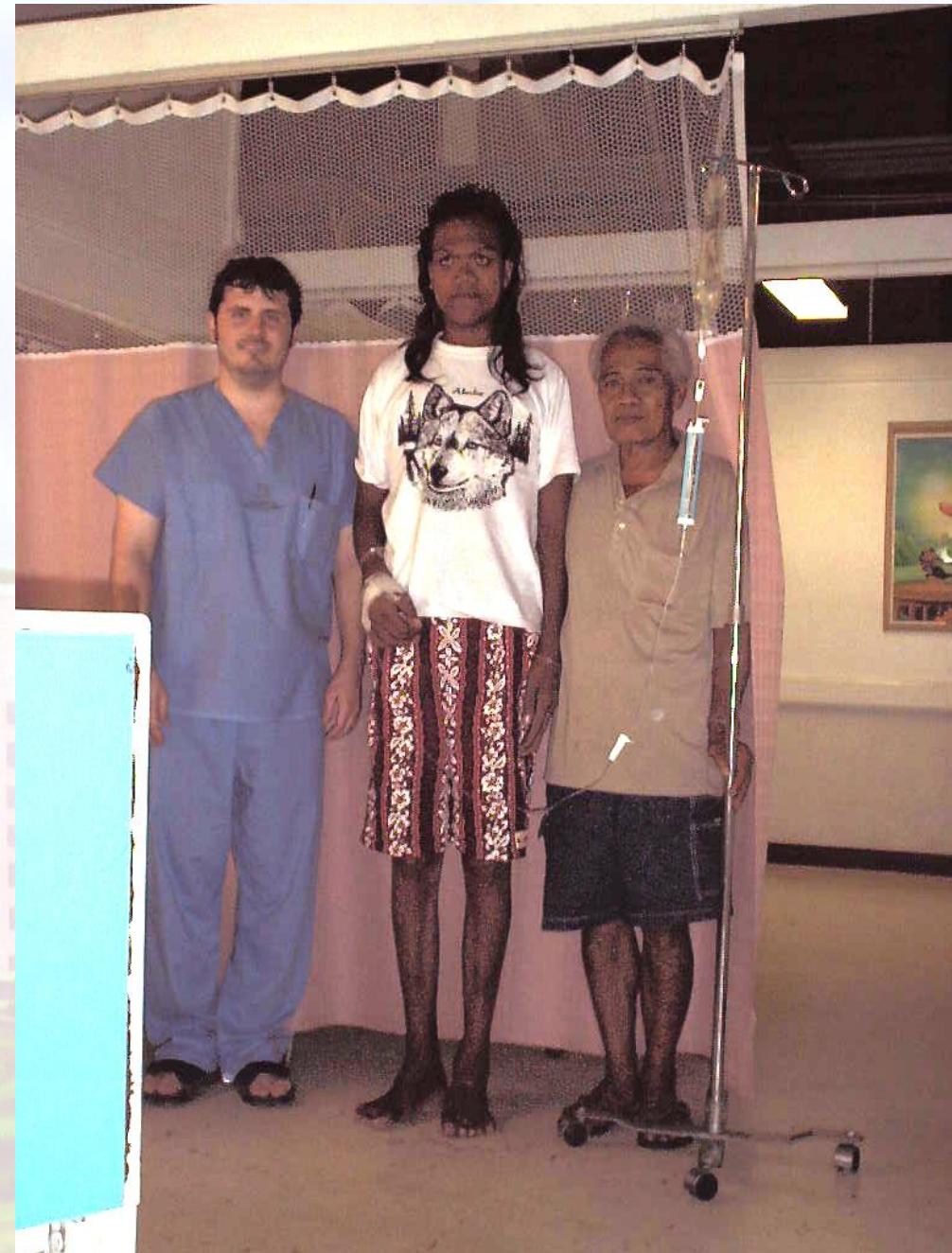
American Samoa	24/97	25%
CNMI	7/67	10%
FSM	159/649	25%
Chuuk	66/304	
Kosrae	7/65	
Pohnpei	31/191	
Yap	38/89	
Guam	4/24	17%
Palau	101/377	26%
RMI	94/547	17%
Majuro	75/361	
Kwajalein	5/108	
Ebeye	14/78	
<b>Total</b>	<b>389/1,761</b>	<b>22%</b>

# American Samoa (24/97)



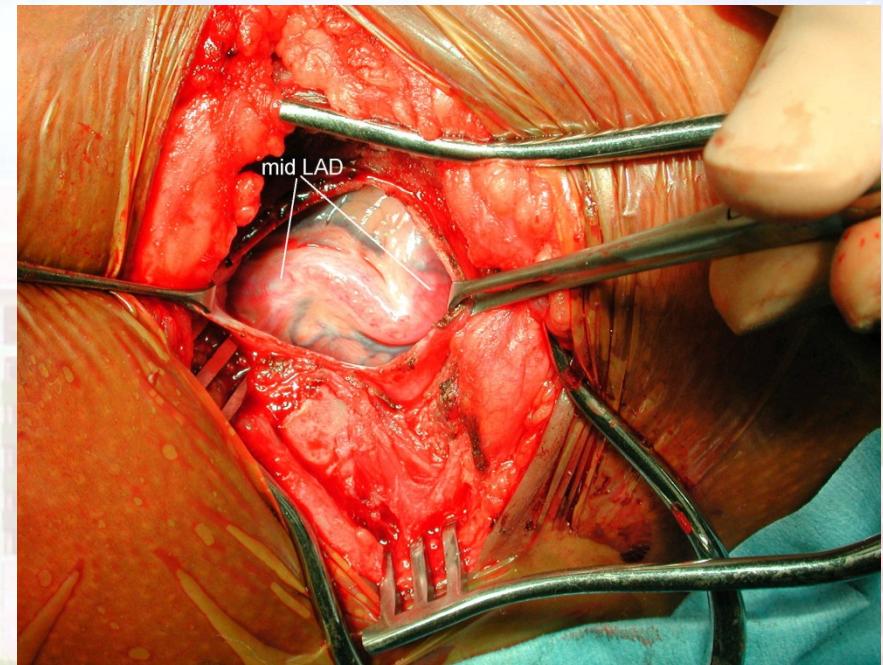
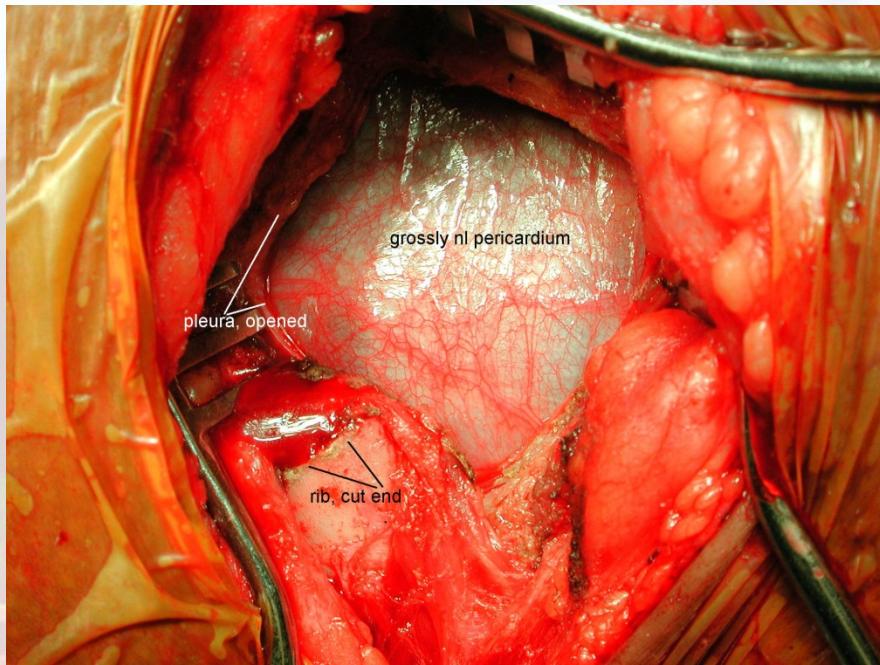
- 9 Cervix/Uterus/Ovary
- 4 Leukemia/Lymphoma
- 4 Sarcoma
- 7 Other (Adrenal, Thyroid, Brain, Spinal Cord, etc.)

# Case JM9093, American Samoa, 12 Year Old Girl with Pituitary Giantism

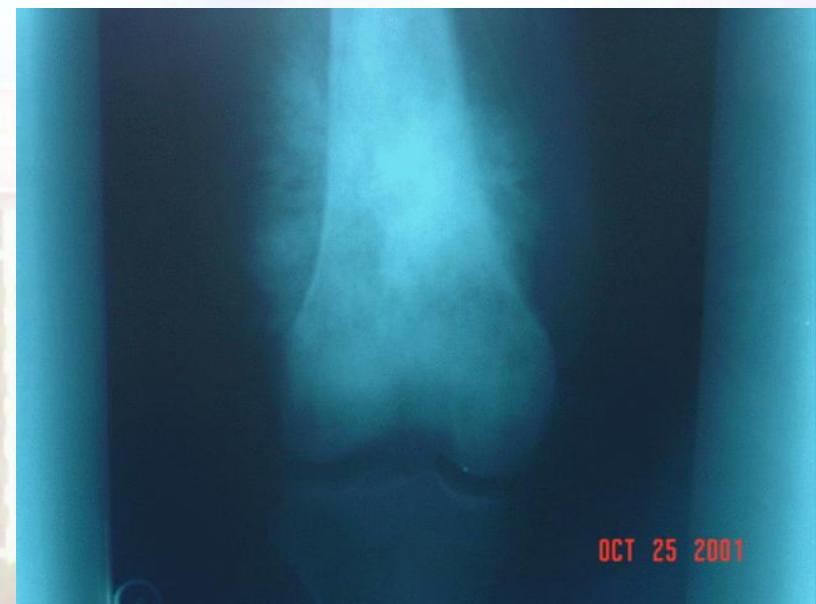
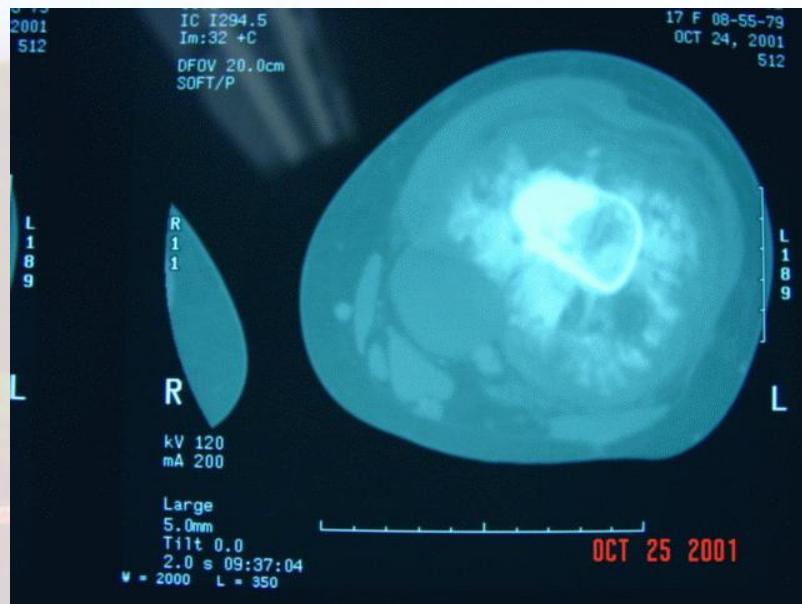




# Coronary Artery Aneurysm



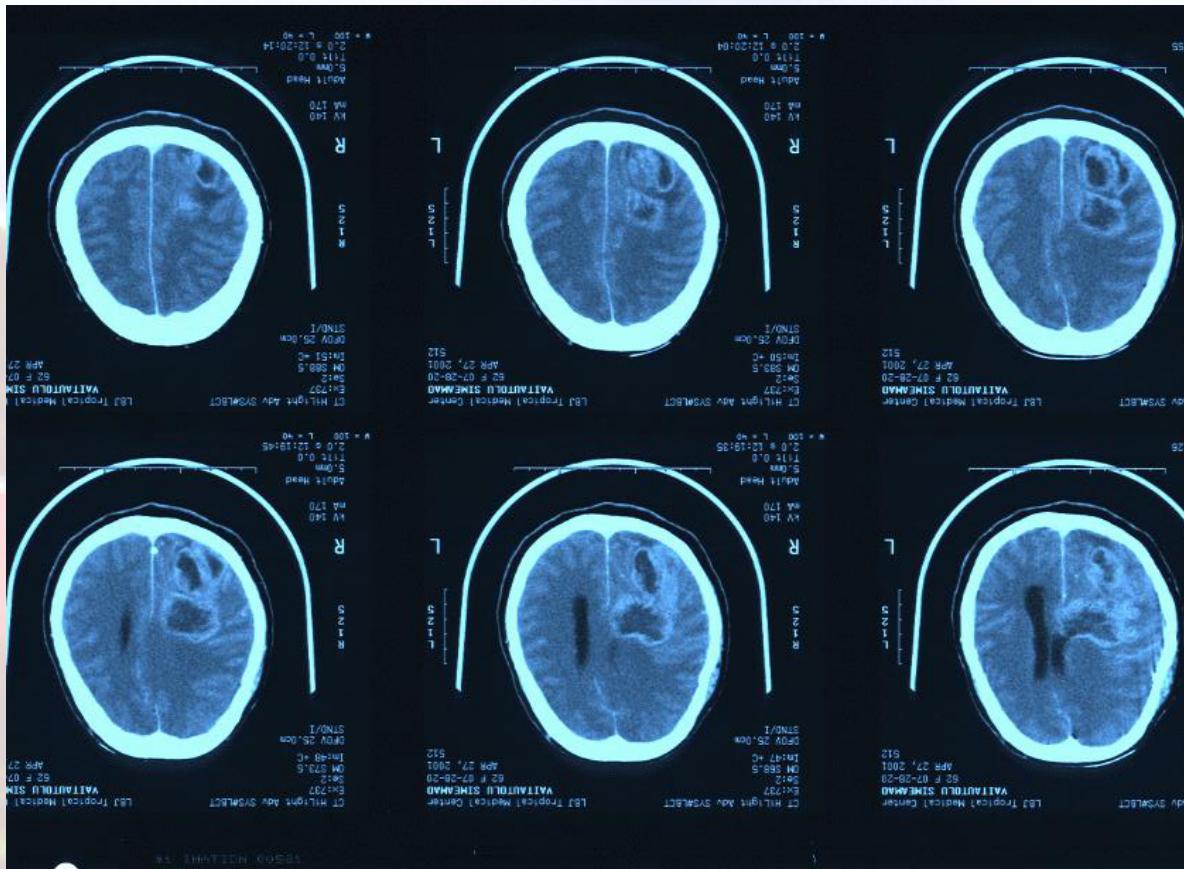
# 17 y/o Samoan with osteosarcoma



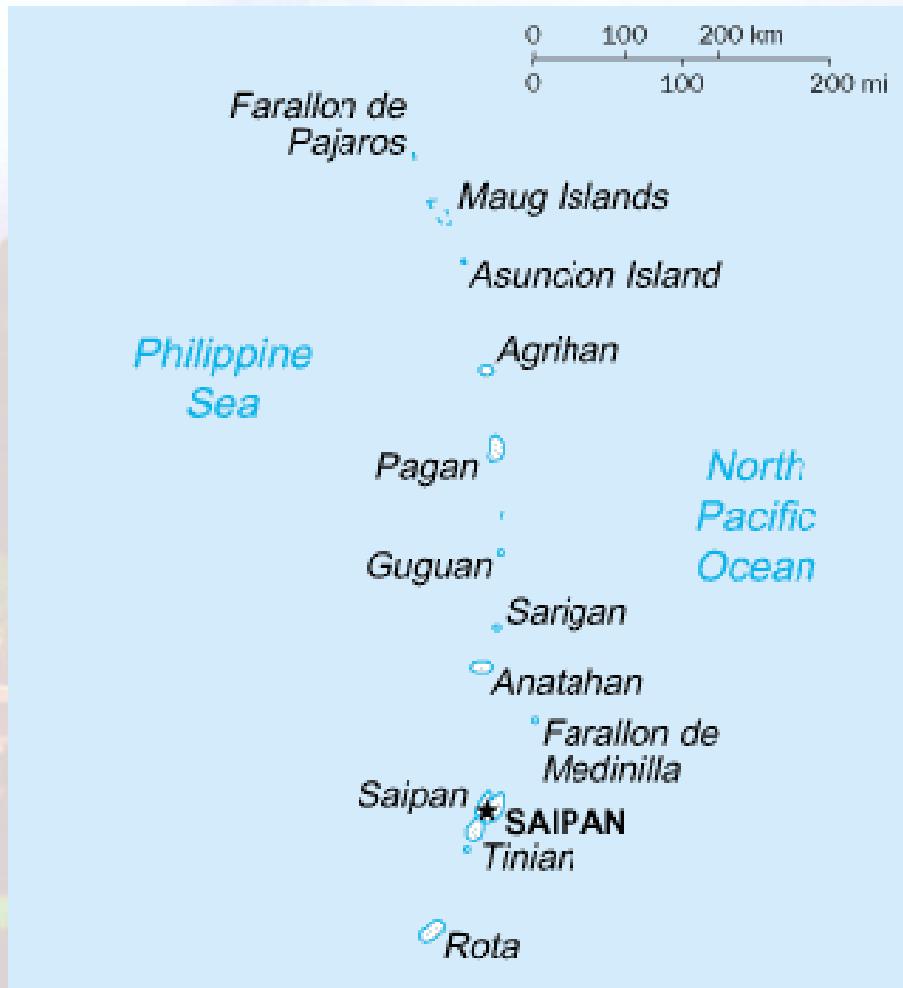
17 y/o Samoan with osteosarcoma



# 62 y/o Samoan woman with glioblastoma multiforme

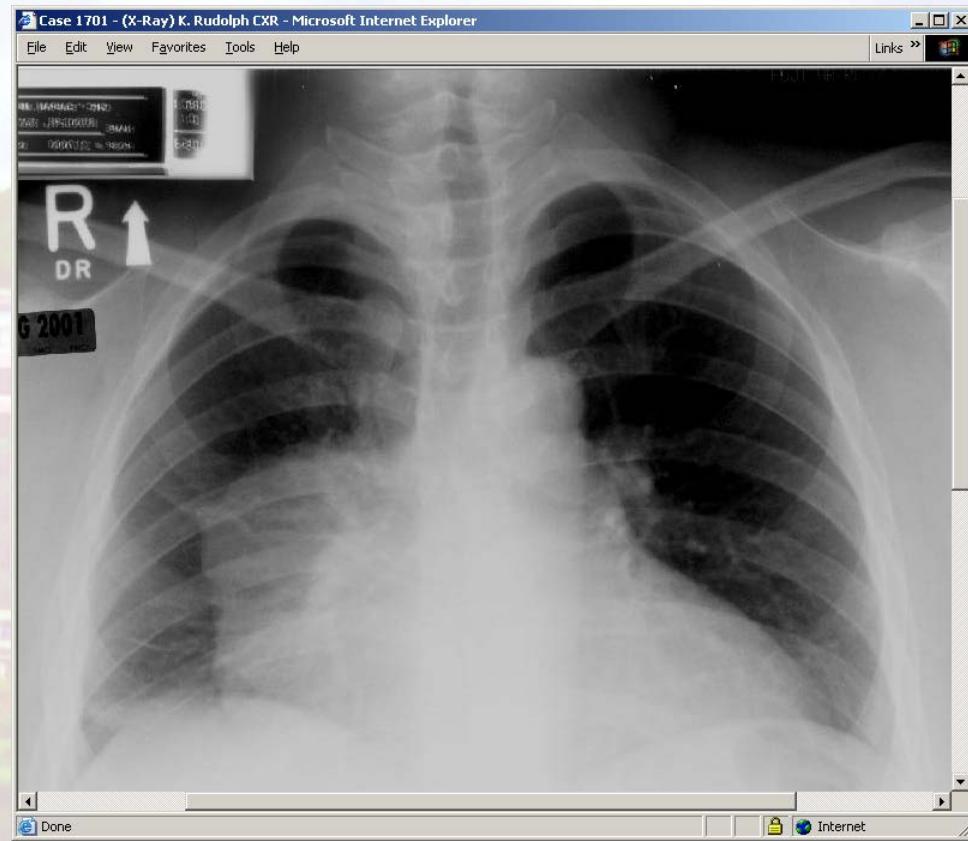


# Commonwealth of the Northern Marianas ( 7/67)



5 Cervix/Uterus/Ovary  
1 Breast  
1 Thymus

# 26 Year Old Chuukese Woman in CNMI with Myasthenia Gravis & Malignant Thymoma

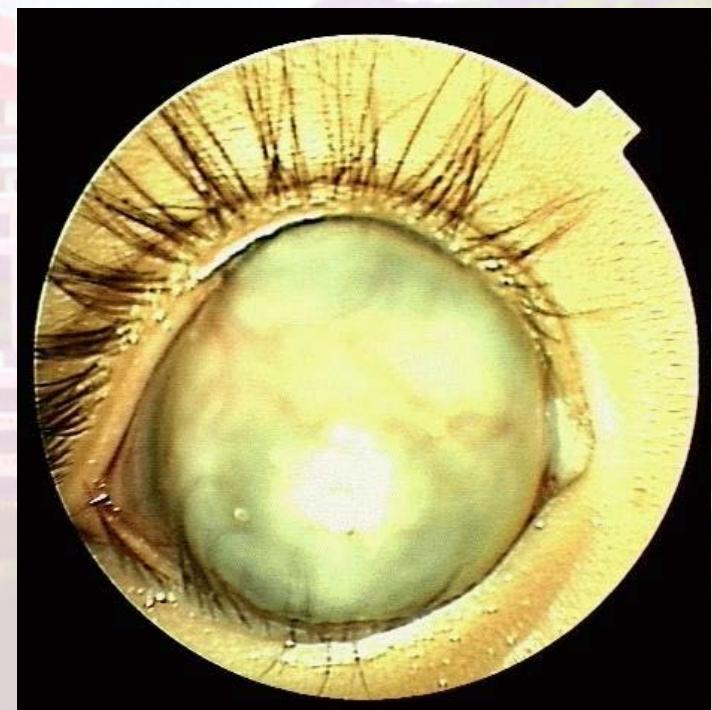


# FSM - Chuuk State (66/304)



- 26 Uterus/Cervix/Ovary
- 7 Thyroid
- 9 Sarcoma
- 5 Head and Neck
- 4 Brain Tumor
- 2 Lymphoma
- 13 Other (Breast, Parotid, Lung, Pancreas, Mole)

# Case BB5212, Chuuk, Referred as Retinoblastoma Final Diagnosis Staphaloma



# Case 225, Chuuk, Inflammatory Breast Cancer



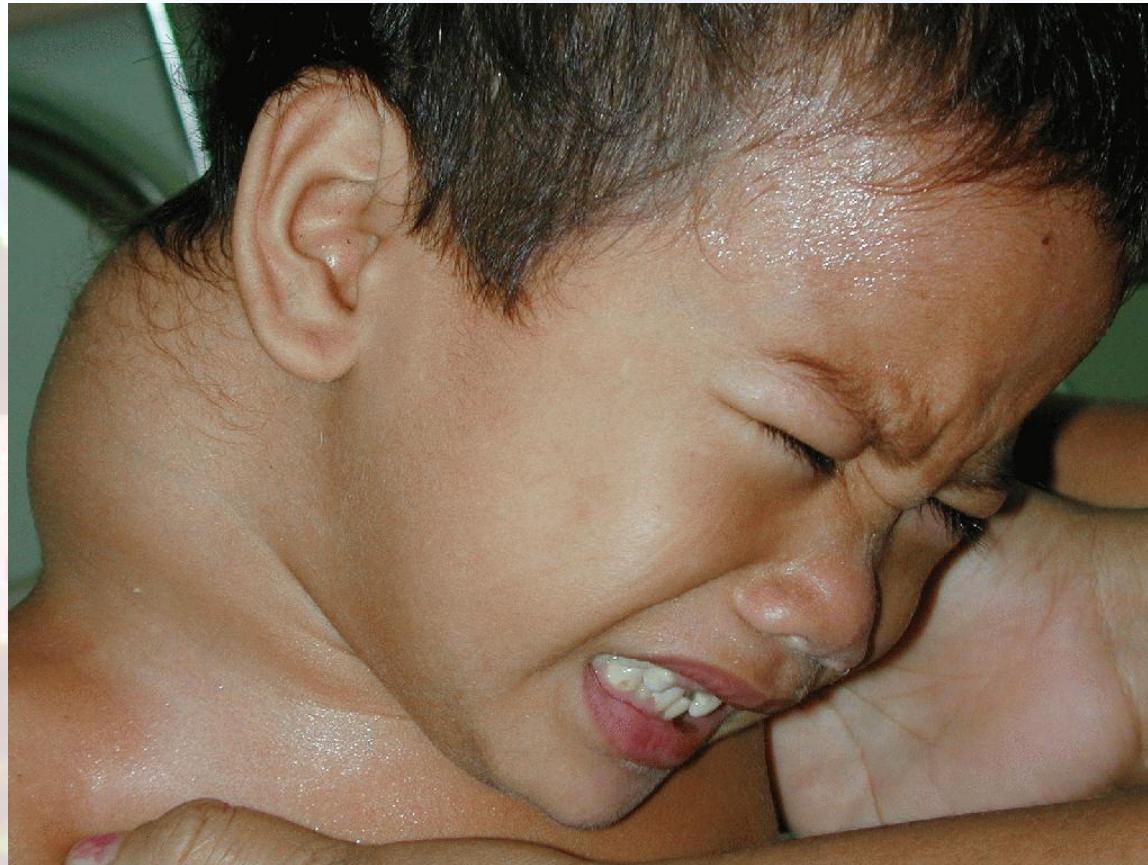
# 15 y/o Chuukese with osteosarcoma



# 10 y/o with rhabdomyosarcoma



3 y/o with rhabdomyosarcoma



# 7 y/o Chuukese boy with brain tumor



# Sex chord tumor with granulosa cell tumor component

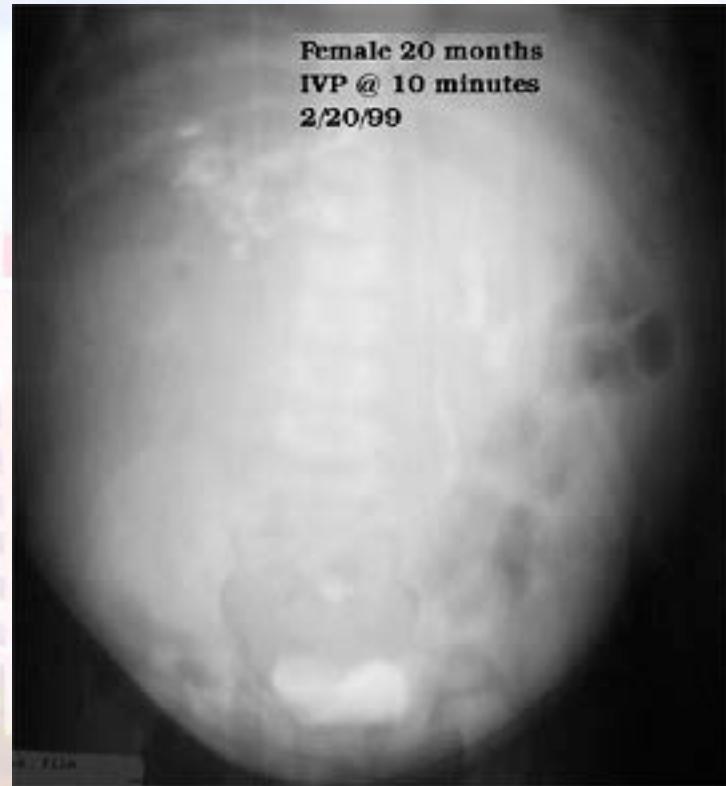


# FSM - Pohnpei State (29/191)



- 10 Cervix/Uterus/Ovary
- 3 Prostrate
- 3 Thyroid
- 3 Sarcoma
- 4 Lung
- 2 Brain
- 4 Other (Teratoma, Head and Neck, Perianal)

# Case 316, Pohnpei, Referred as Wilm's Tumor, Final Diagnosis Teratoma



# Case JH7595, Pohnpei, Squamous Cell Carcinoma of the Perineum



# Case JH8485, Pohnpei, Osteosarcoma Right Shoulder





Skin Lesions



Scalp Ulcer 1



[05/01/2002]



Post Op 3



Operation 1

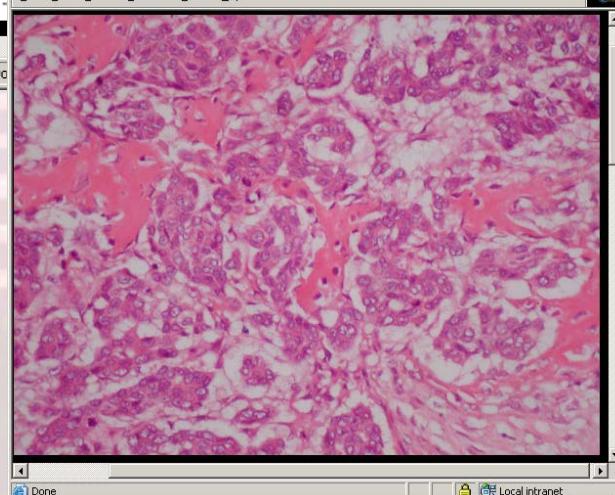
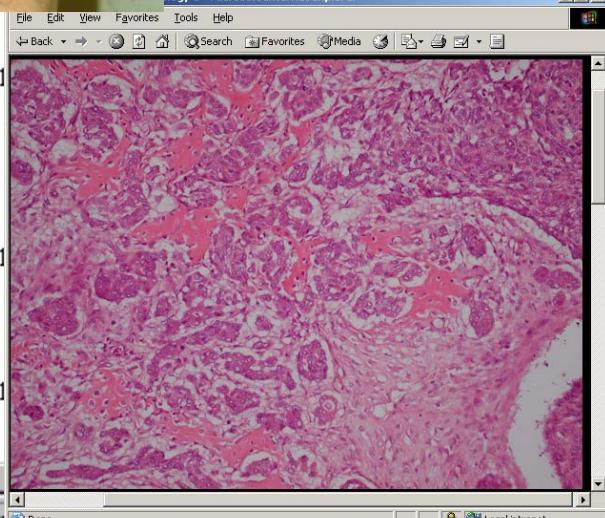
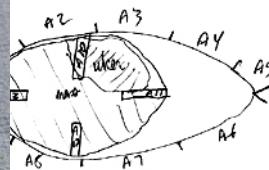


Operation 2



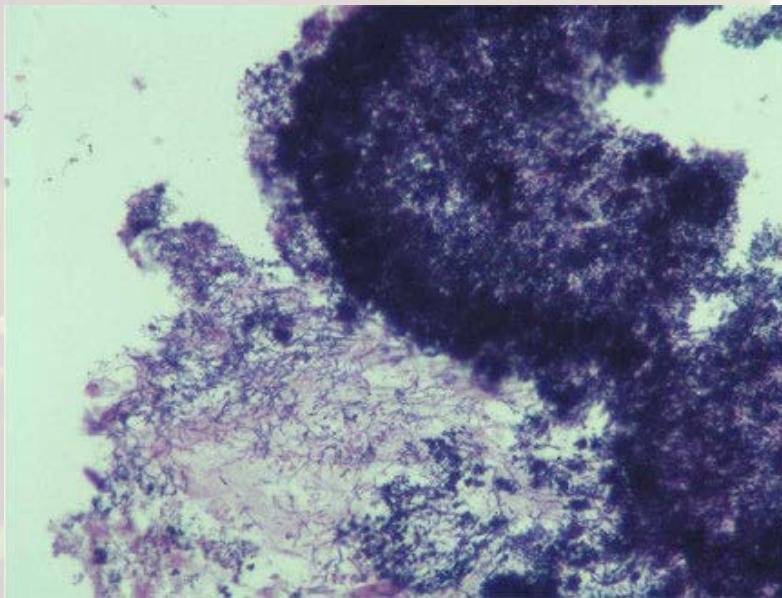
PATHOLOGY SPECIMEN DIAGRAM WORKSHEET

DATE: 28 Feb 89 PATHOLOGIST: MAJ  
Kalpna SSN: 00-000-03 3252

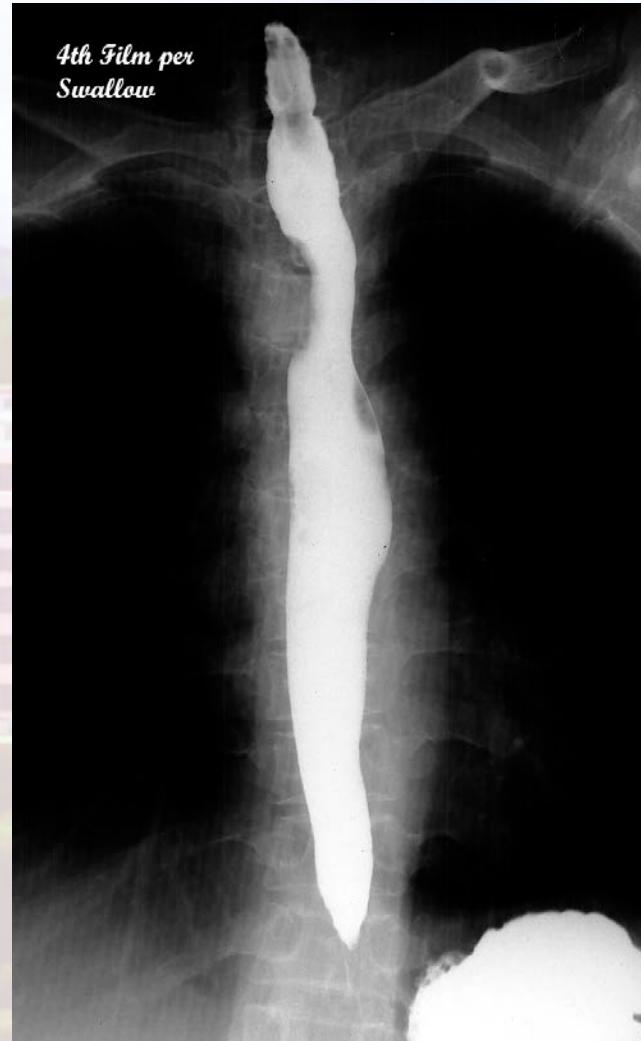


Done

# Case RA6893, Pohnpei, Referred as Lung Cancer, Final Diagnosis, Actinomycosis



# 50 y/o Pohnpeian woman with primary tracheal tumor



# FSM - Kosrae State (7/65)



4 GI

3 Other (Mouth, Breast, Ovary)

# FSM - Yap State (26/84)



- 17 Head and Neck
- 6 Sarcoma
- 3 Other (Breast, Thyroid, Cervix)

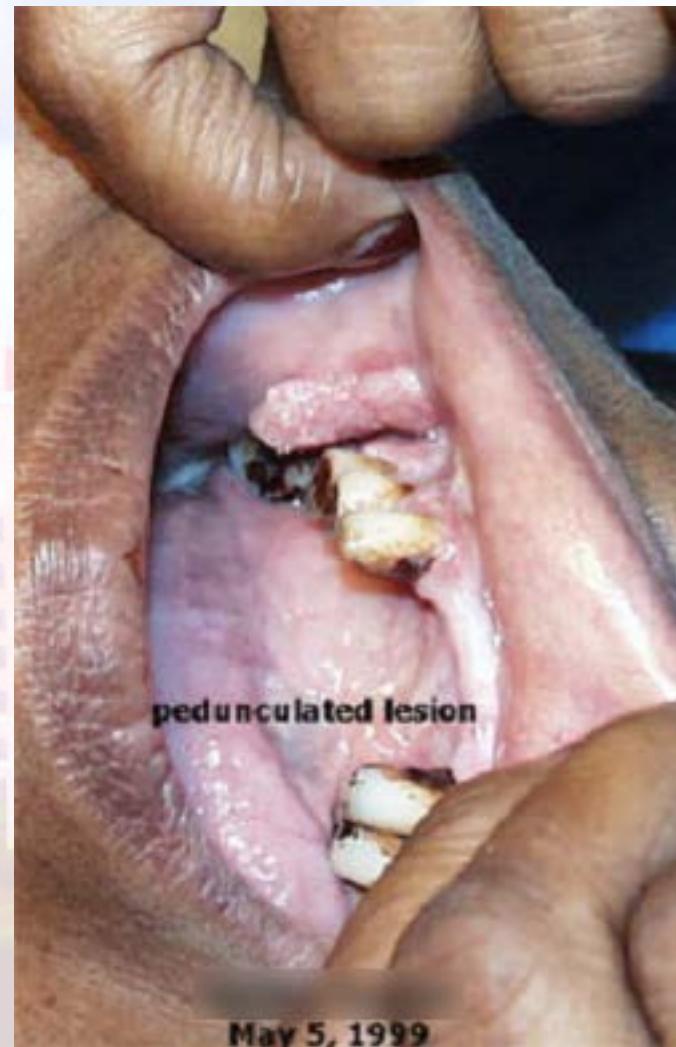
# Case 113, Yap, Buccal Squamous Cell Carcinoma, Secondary to Betelnut



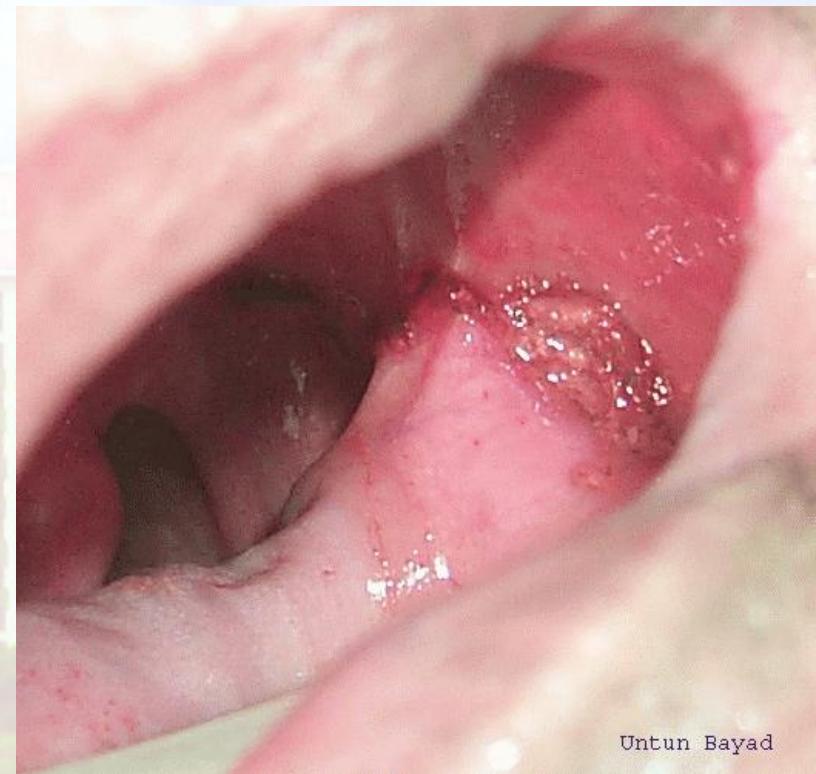
# Case 63, Yap, Rhabdomyosarcoma



## Case 369, Palau, Cancer of the Mouth and Tongue



# 60 y/o Yapese woman with betel nut mouth cancer



# Palau (99/377)



- 42 Thyroid
- 15 Breast
- 10 Cervix/Uterus/Ovary
- 7 Head and Neck
- 4 Sarcoma
- 4 Brain
- 17 Other (Lung, Leukemia, Lymphoma, Gastric, Colon, Retro-orbital, Renal)

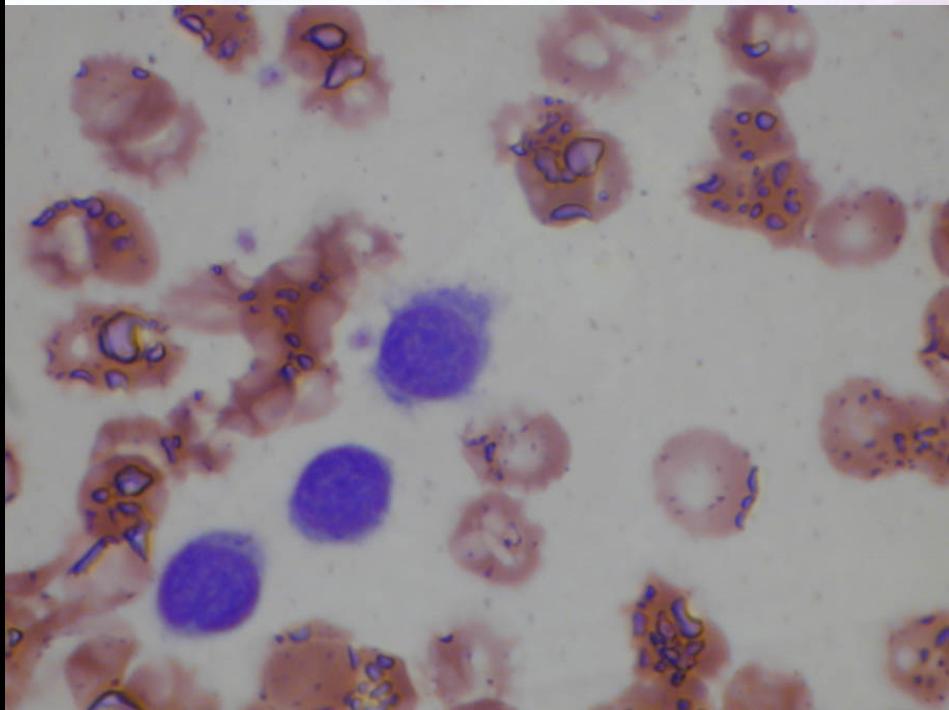
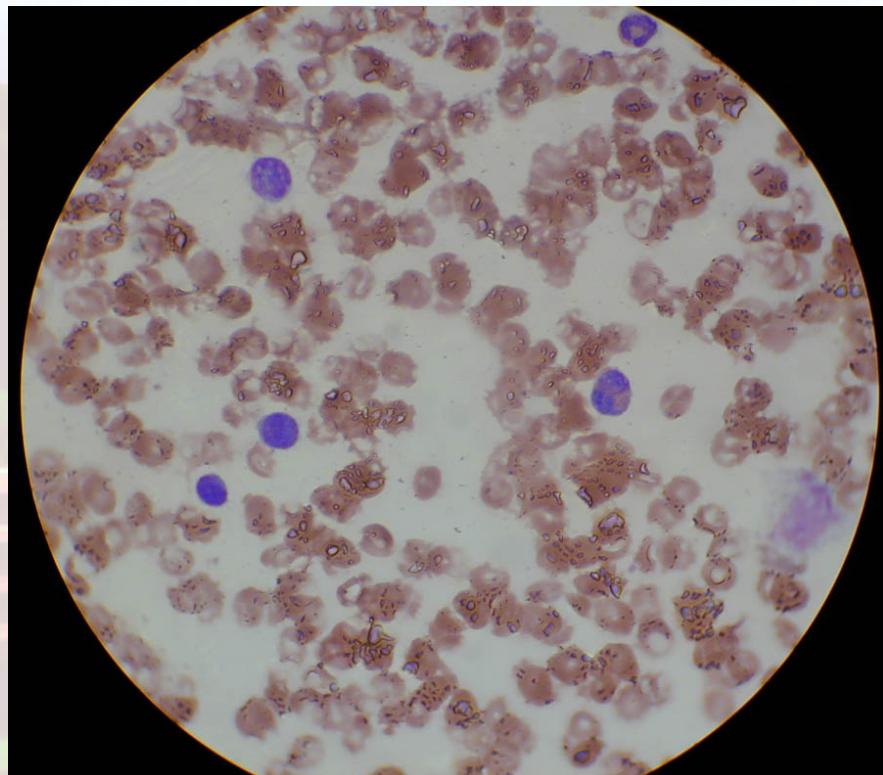
# Month old Baby with Congenital ALL



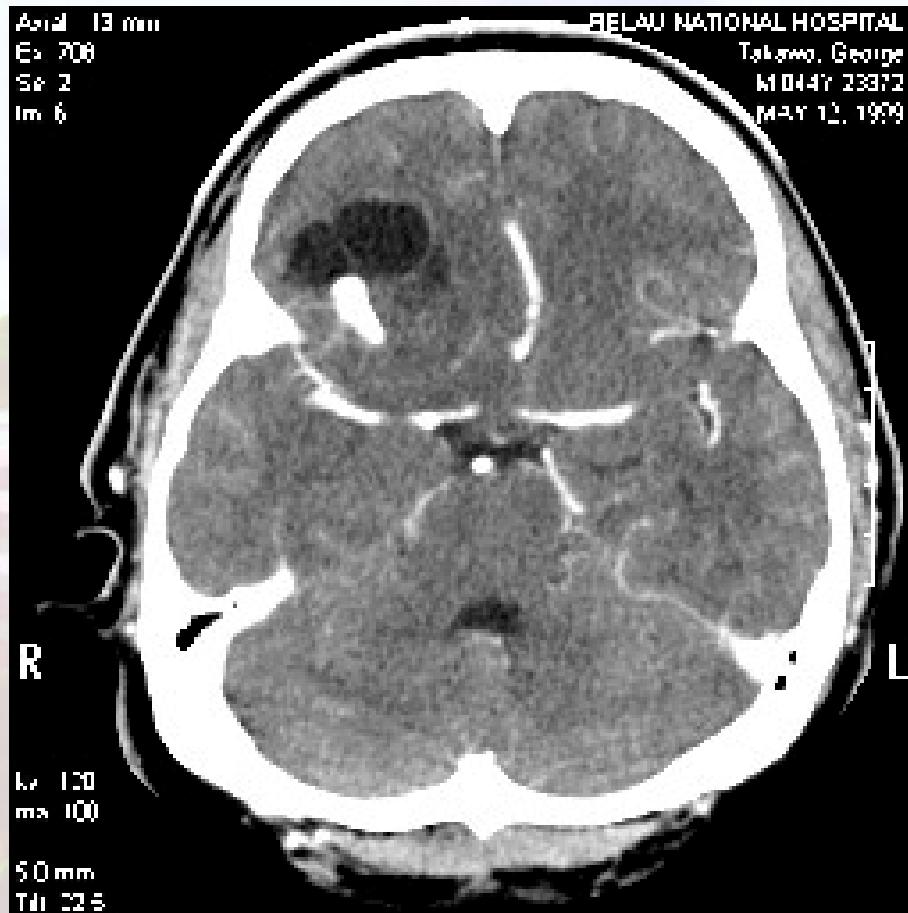
# Case VY2777, Cancer of the Penis in an Elderly Palauan



# Case NM5066, 39 Year Old Male with Hairy Cell Leukemia



# 44 y/o Palauan with brain tumor



# RMI - Kwajalein and Ebeye (24/547)



- 11 Cervix/Uterus/Ovary
- 2 Breast
- 4 Thyroid
- 4 Head and Neck
- 3 Other (Liver, etc.)

# 6 y/o boy from Ebeye with AML



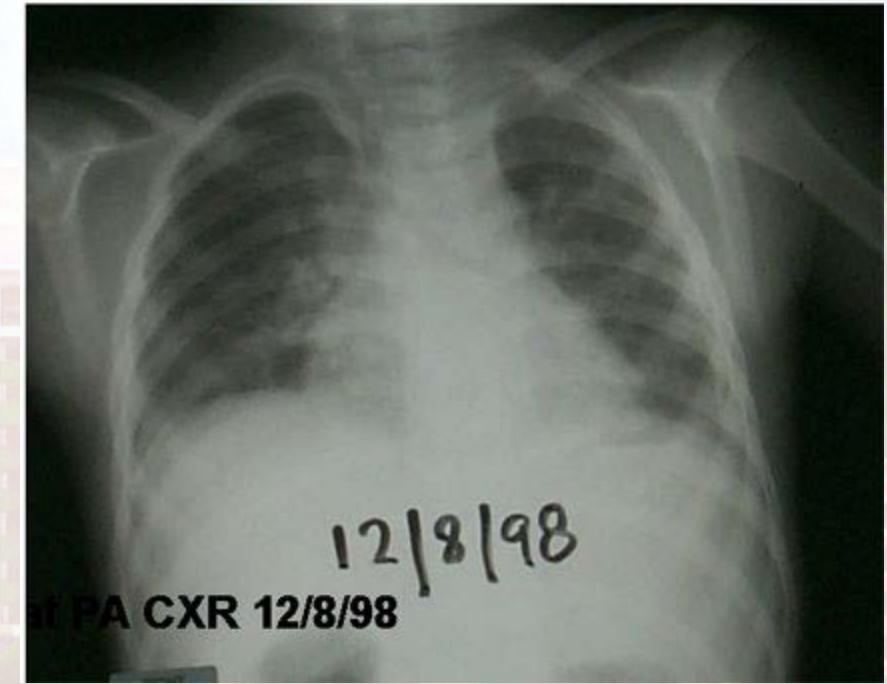
# RMI Majuro

## (70/547)

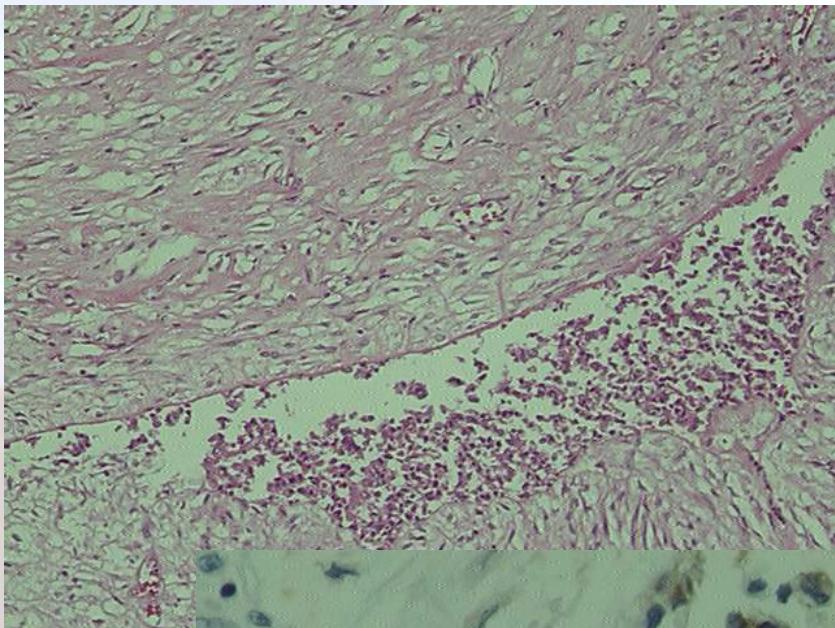


- 38 Cervix/Uterus/Ovary
- 4 Breast
- 8 Thyroid
- 7 GI Tract
- 6 Head and Neck
- 7 Other (Orbital, Pituitary, Parotid, Bladder, Brain, Testicle, Desmoid)

# Case 271, Ebeye, R/O Lymphoma, Final Diagnosis Disseminated TB



# Case KG8264, Majuro, Young Woman with Phylloides Tumor of the Breast

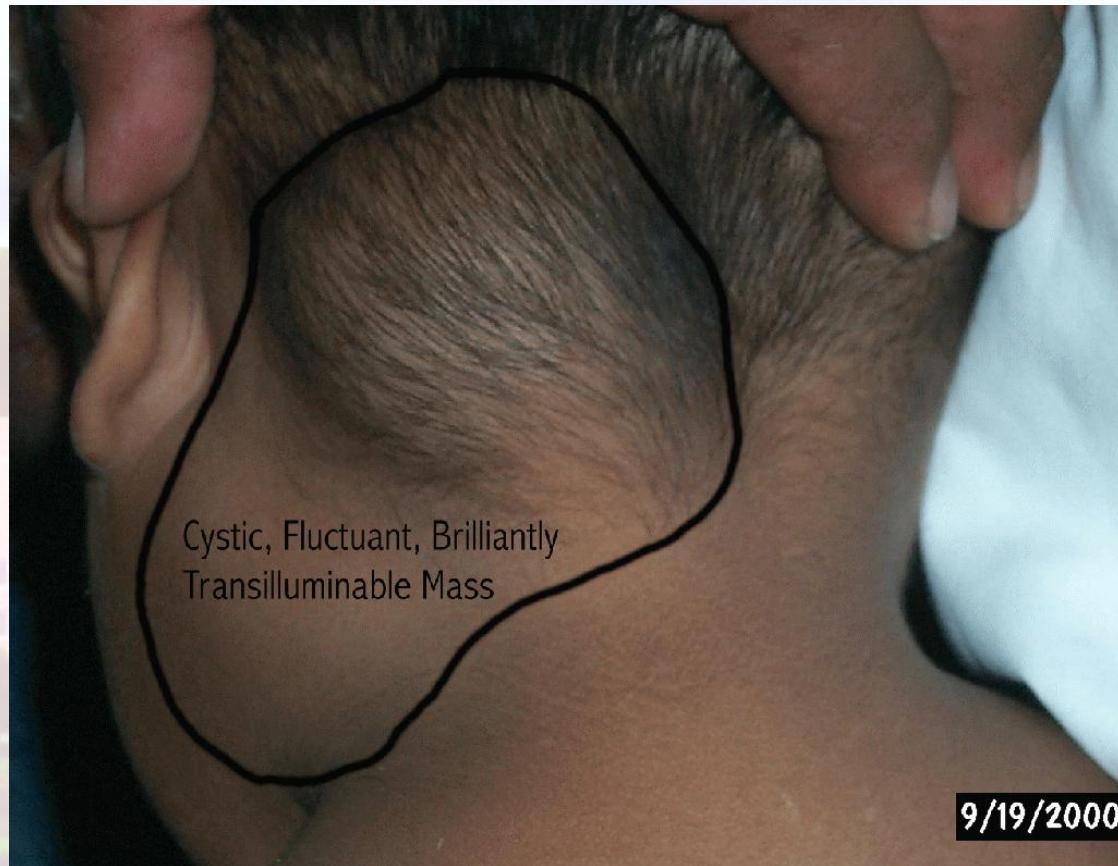


Anti-Insulin Antibody

# Marshallese child with brain tumor



# Cystic hygroma



# Retinoblastoma



# 26 y/o with T cell Lymphoma of the Breast

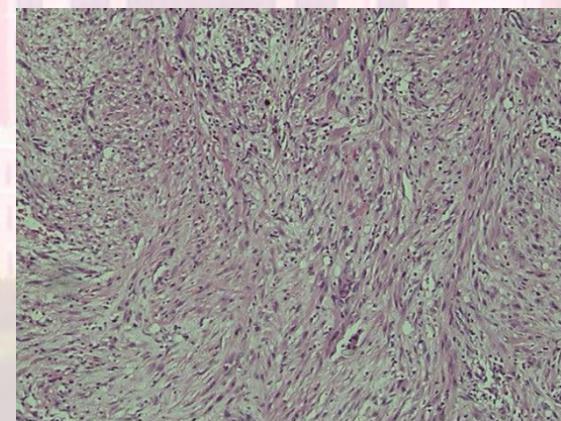
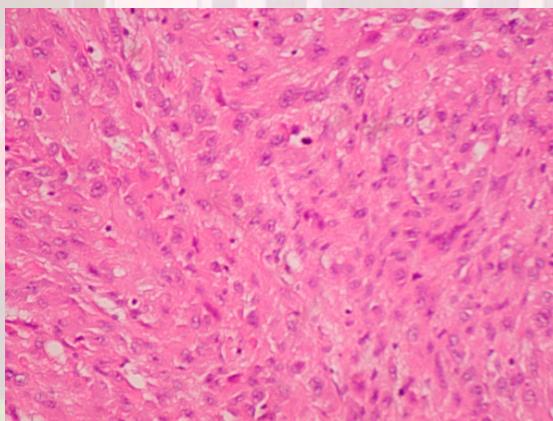


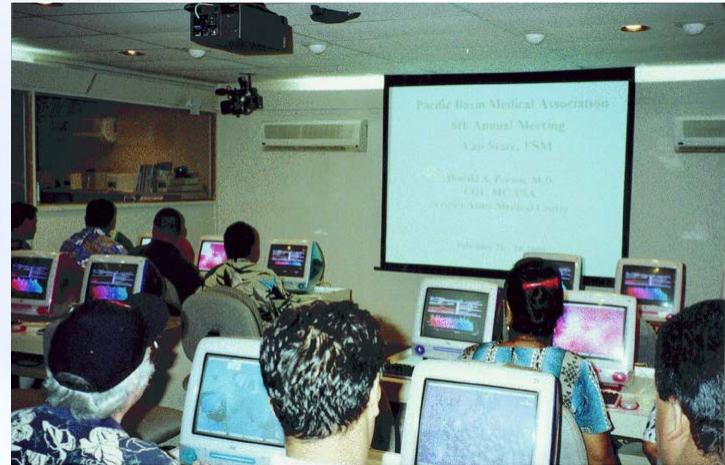
# Guam (4/24)



- 1 Sarcoma
- 1 Brain
- 1 Bone
- 1 Thyroid

# 34 y/o Chuukese woman in Guam with sarcoma of the ankle





## Pacific Basin Medical Association Conference, Yap, FSM

